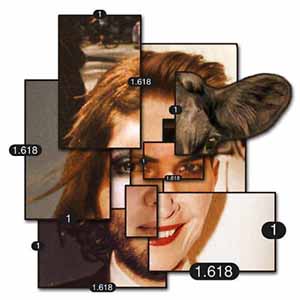
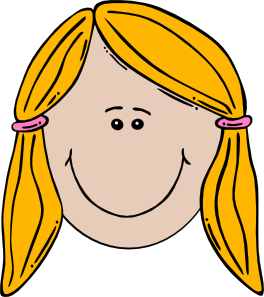


By: - Nishna Shah

7.2







Measuring My Face

Eye width- 40mm

Bridge width- 60mm

Mouth width- 90mm

Smile width- 60mm

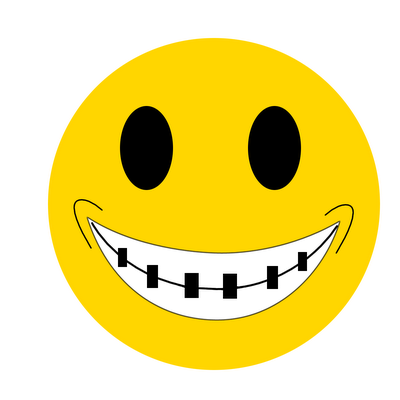
Ratios…………………………..

Bridge width = 60 = 3:2

Eye width 40

Mouth width = 90 = 3:2

Teeth width 60



* The ratios are the same as each other!

What is Golden Ratio?

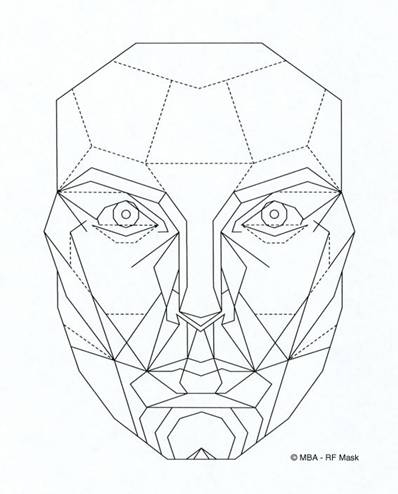
The golden ratio was discovered by an ancient Greek called Pythagoras.

He believed that all beauty and knowledge was to be found in numbers and their relationships.

The ancient architects also thought that the key to a great structure is the golden ratio.

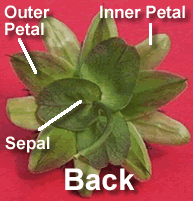
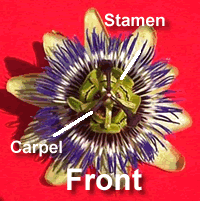
The name golden ratio is because objects with dimensions in the ratio 1.618, were believed to have great beauty and was discovered through a geometric construction.

What is Golden Ratio?

This is the mask used to check whether your face falls under the golden ratio:

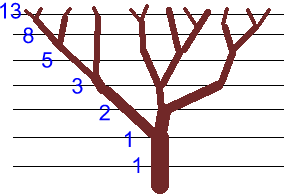
What is Golden Ratio?

The golden ratio is also possible in nature, like in flowers and plants.

In flowers- On the back of the flower, the 3 sepals (the part of the flower that is not the petal) that protect the bud are the outermost, followed by the 5 outer green petals and an inner layer of 5 more paler green petals. In the front, 5 greenish, T-shaped stamens are gathered in the center, followed by the 3 deep brown carpel’s and style branches forms the golden ratio.

Comparing faces…………….

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Name | http://images.clipartof.com/thumbnails/63562.jpg(mm) | http://www.wpclipart.com/small_icons/misc_2/.cache/eye_blue.png(mm) | Bridge/  Eye  Ratio | http://www.polyvore.com/cgi/img-thing?.out=jpg&size=l&tid=8530632(mm) | http://www.picturesof.net/_images/Perfect_Smile_Royalty_Free_Clipart_Picture_081219-040920-874042.jpg(mm) | Mouth/  Teeth  Ratio |
| JAHNAVI | 35 | 25 | 7:5 | 50 | 60 | 5:6 |
| SAYESHA |  |  |  |  |  |  |
| RATISHA | 42 | 37 |  | 79 | 49 |  |
| SIDDHANT | 35 | 35 | 1:1 | 75 | 60 | 5:4 |
| AAKASH | 40 | 40 | 1:1 | 70 | 65 | 15:13 |
| AKSHAT |  |  |  |  |  |  |
| KAEVAAN |  |  |  |  |  |  |
| ARNAV |  |  |  |  |  |  |
| AADITYA |  |  |  |  |  |  |

In plants- The process of the growing plant follows the Fibonacci numbers, from the first shoot then goes higher to the two shoots than three shoots, and five shoots, and eight shoots, and so on. The branching rates in plants occur in the Fibonacci pattern, where the first level has one "branching" (the trunk), the second has two branches, than 3, 5, 8, 13 and so on. Also, the spacing of leaves around each branch or stalk spirals with respect to the Golden Ratio.



Comparing faces 3 …………….

Name- Mita Shah

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Bridge  Width  (mm) | Eye  Width  (mm) | Bridge/  Eye  ratio | Mouth  Width  (mm) | Teeth  Width  (mm) | mouth/  teeth  ratio |
| 40 | 50 | 4:5 | 70 | 60 | 7:6 |

Face beautiful……………..

S

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Bridge  Width  (mm) | Eye  Width  (mm) | | Bridge/  Eye  ratio | | Mouth  Width  (mm) | Teeth  Width  (mm) | mouth/  teeth  ratio |
| 0.50 | 10 | | 0.5:1 | | 20 | 1.50 |  |
| 0.40 | | 0.80 | 0.1:0.2 | 10 | | 10 | 1:1 |
| 0.50 | | 0.80 | 0.5:0.8 | 10 | | 0.80 |  |



Names: - 1. Anne Hathaway

2. Jennifer Aniston

3. Miley Cyrus



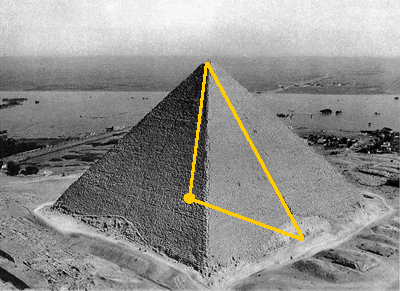




Jenifer Aniston

Miley Cyrus

Golden Ratio in architecture….

Many great structures and eye catching ones have a Golden Ratio. For example:

